

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1,2, 4, 5, 9 and 10 (canceled).

Claim 11 (new): An apparatus for exposing a photosensitive material, said photosensitive material having a light receiving surface and being exposed by radiation impinging on said light receiving surface, said apparatus comprising:

a substantively transparent substrate having a substantially planar light receiving surface oppositely spaced apart from and substantively parallel to a substantially planar light emitting surface;

an Organic Light Emitting Diode (OLED) structure, said structure comprising at least one of a plurality of triplets of elongated arrays of individually addressable Organic Light Emitting Diode (OLED) elements, said Organic Light Emitting Diode (OLED) structure being deposited onto and in effective light transmission relation to the light receiving surface of said substrate;

wherein said OLED elements emit light over a broad range of wavelengths, any said OLED element in said at least one of a

plurality of triplets of said elongated arrays has a characteristic surface dimension which is substantially the same for all OLED elements in the array and from which an OLED center point can be defined; and

at least one of a plurality of triplets of elongated arrays of color filter elements, said color filter elements selectively transmitting radiation in a distinct range of wavelengths, having a substantially planar color filter light receiving surface oppositely spaced apart from and substantively parallel to a substantially planar color filter light emitting surface, any color filter element in the array has a characteristic surface dimension which is substantially the same for all color filter elements in the array and from which a center point can be defined, said color filter being formed from at least one color filter material, said at least one color filter material to form said at least one triplet of elongated color filter arrays being deposited onto and in effective light transmission relation to the light emitting surface of said substrate; and

wherein the color filter center points for any said color filter array being substantially collinear and aligned with the respective OLED center points for the OLED array located in effective light transmission relation to that color filter array; and

wherein each OLED array in the triplet is in effective light transmission relation to the light receiving surface of one color filter array in the triplet thereby constituting an OLED - Color filter array set, each set in the triplet being aligned in substantially parallel spaced relation with respect to each other set in the triplet, each color filter array in each triplet having elements that are capable of transmitting radiation in a distinct wavelength range different from the distinct wavelength range of the other two arrays in the triplet, each triplet being aligned in substantially parallel spaced relation with respect to any other triplet; and

wherein the planar light emitting surface of said at least one color filter array is oppositely spaced apart at a given distance from and substantively parallel to the light receiving surface of said photosensitive material, the color filter elements in any of the color filter arrays are spaced apart by a given spacing between centers of the color filters, and the radiation emanating from any color filter in any said array and impinging on said light receiving surface of said photosensitive material defines a pixel area on the light receiving surface of said photosensitive material, said pixel area having a characteristic pixel dimension, and wherein said distance between the

planar light emitting surface of the color filter array and the light receiving surface of photosensitive material, the distance between the light receiving surface of said substrate and the light emitting surface of said substrate, said spacing between centers of the color filters, and said characteristic surface dimension of the color filters being jointly selected so that, at a given pixel area, said pixel area corresponding to a given color filter element in a given color filter array, the exposure of said photosensitive material due to the light intensity from the elements of the given array which are adjacent to said given color filter element and from said given color filter element, is optimized.

Claim 12 (new): The apparatus of Claim 11 wherein the color filter material is an imageable material.

Claim 13 (new): The apparatus of Claim 11 wherein the color filter material is a colorant.

Appl. No. 10/616,395
Amendment dated 06/25/04
Reply to Office Action of 05/05/2004

AMENDMENTS TO THE DRAWINGS

Enclosed is a proposed drawing correction for Figure 7 to correct the mislabeling noted by the Examiner in Paragraph 1 of the Office Action. More specifically, the proposed changes, marked in red on the enclosed copy of Figure 7, delete the erroneous lead line from the OLED Element text to the Color Filter and add a correct lead line from the OLED Element text to the OLED Element layer spaced from and above the Color Filter.